

AMENDMENTS

In the Claims

Please cancel claims 21 - 46 and 52 - 114 without waiver, disclaimer or prejudice.

Please substitute the following clean copy text for the pending claims of the same number.

47. (Once Amended) A multiple resolution sensing apparatus, comprising:

at least one first photosensor segment having a plurality of first photosensitive elements for scanning at a first resolution;

at least one second photosensor segment having a plurality of rows, each one of the plurality of rows having a plurality of second photosensitive elements for scanning at a second resolution, the at least one second photosensor segment adjacent to the at least one first photosensor segment, wherein the plurality of second photosensitive elements has a higher density than the plurality of first photosensitive elements so that an image is scanned at a higher resolution with the plurality of second photosensitive elements than with the plurality of first photosensitive elements; and

at least one third photosensor segment having a plurality of third photosensitive elements for scanning at a third resolution, the at least one third photosensor segment adjacent to the at least one second photosensor segment, wherein the plurality of third photosensitive elements has a higher density than the plurality of second photosensitive elements so that the image is scanned at the higher resolution with the plurality of third photosensitive elements than with the plurality of second photosensitive elements.

Please add the following new claims:

1 115. (Newly Added) A multiple resolution sensing apparatus, comprising:
2 at least one first photosensor segment having photosensitive elements for scanning at
3 a first resolution; and
4 at least one second photosensor segment having a plurality of rows, each one of the
5 plurality of rows having photosensitive elements for scanning at a second resolution, the at
6 least one second photosensor segment adjacent to the at least one first photosensor segment;
7 wherein the photosensitive elements of the second photosensor segment have a higher
8 density than the photosensitive elements of the first photosensor segment so that an image is
9 scanned at a higher resolution with the photosensitive elements of the second photosensor
10 segment than with the photosensitive elements of the first photosensor segment;
11 wherein, in creating a color image of the first resolution, the photosensitive elements
12 of the first photosensor segment are used; and
13 wherein, in creating a color image of the second resolution, the photosensitive
14 elements of the second photosensor segment are used.

1 116. (Newly Added) The apparatus of claim 115, wherein, in creating the color image of
2 the first resolution, the photosensitive elements of the second photosensor segment also are
3 used.

1 117. (Newly Added) An apparatus as in claim 115, wherein each of the photosensitive
2 elements of the first photosensor segment are substantially a first size and wherein each of the
3 photosensitive elements of the second photosensor segment are substantially a second size,
4 the first size being larger than the second size.

1 118. An apparatus as in claim 117, further comprising a memory so that data corresponding
2 to the image scanned by the at least one first photosensor segment is stored in a first portion
3 of the memory and wherein data corresponding to the image scanned by the at least one
4 second photosensor segment is stored in a second portion of the memory.

1 119. (Newly Added) An apparatus as in claim 117, further comprising a memory so that a
2 user selects between the at least one first photosensor segment and the at least one second
3 photosensor segment such that data corresponding to the image scanned by the selected
4 photosensor segment is stored in the memory.

1 120. (Newly Added) An apparatus as in claim 115, wherein an image is concurrently
2 scanned across the at least one first photosensor segment and the at least one second
3 photosensor segment along a scanning path such that a pixel area of the apparatus is increased
4 to provide improved image quality.

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1 121. (Newly Added) An apparatus as in claim 115, further comprising at least one third
2 photosensor segment having photosensitive elements for scanning at a third resolution, the at
3 least one third photosensor segment adjacent to the at least one second photosensor segment,
4 wherein the photosensitive elements of the third photosensor segment have a higher density
5 than the photosensitive elements of the second photosensor segment so that the image is
6 scanned at the higher resolution with the photosensitive elements of the third photosensor
7 segment than with the photosensitive elements of the second photosensor segment.

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1 122. (Newly Added) An apparatus as in claim 121, wherein each of the photosensitive
2 elements of the second photosensor segment is substantially a second size and wherein each
3 of the photosensitive elements of the third photosensor segment is substantially a third size,
4 the second size being larger than the third size.

1 123. (Newly Added) An apparatus as in claim 122, further comprising a memory so that
2 data corresponding to the image scanned by the at least one first photosensor segment is
3 stored in a first portion of the memory, wherein data corresponding to the image scanned by
4 the at least one second photosensor segment is stored in a second portion of the memory, and
5 wherein data corresponding to the image scanned by the at least one third photosensor
6 segment is stored in a third portion of the memory.

1 124. (Newly Added) An apparatus as in claim 122, further comprising a memory so that a
2 user selects between one of the first photosensor segment, the second photosensor segment
3 and the third photosensor segment such that data corresponding to the image scanned by the
4 selected photosensor segment is stored in the memory.